

Work Order ID 53056



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Item ID: D130-780-041

Revision ID: B

Item Name: SPACEPOD LH

Start Date: 21/10/2009 Start Qty: 1.00

Required Date: 04/11/2009 Req'd Qty: 1.00

Reference:

Accept



Setup Start



Stop



Cust Item ID:

Customer:

Run Start



Stop



Approvals: Process Plan: *PL* Date: 04-10-22 Tooling: _____ Date: _____
QC: _____ Date: _____ SPC (Y/N): _____ Date: _____

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Draw Number	Draw Rev.	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
Draw Nbr	Revision Nbr								
IIN-D130-780	B								
100		0.00							
	DOCUMENT CONTROL								
DC	Memo	0.00							
Document Control	Photocopy bluefile and type labels per PPP D130-780-041								CHG 003
110		0.00							
	Pick Kit								
Packaging	Memo	0.00							
Packaging									
120		0.00							
Small Fab	Memo	0.00							
Small Fab	-Assemble as per dwg D3188, -use door to transfer drill hole location. -Install inserts								

HJ *CL* 10/03/22

BT 10.03.03

BT 10.03.15 Pb →

Dart Aerospace Ltd

W/O: 53056

WORK ORDER CHANGES

DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
10-03-20	120	Remove Foam core and fill as per Dwg 3188 Section I-I Hysol 934 113022 milled fibres 100859 permanent change	ET 10.03.20	10.03.24		1003 W	8 10/03/20

Part No: D130-780-041 PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____
 Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

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Item ID: D130-780-041

Accept



Setup Start



Revision ID: B

Item Name: SPACEPOD LH

Stop



Start Date: 21/10/2009 Start Qty: 1.00



Cust Item ID:

Required Date: 04/11/2009 Req'd Qty: 1.00



Customer:

Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____
QC: _____ Date: _____ SPC (Y/N): _____ Date: _____

Run Start



Stop



Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Draw Number	Draw Rev.	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
130 QC Quality Control	QC5- Inspect part completeness to step on W/O Memo	0.00 0.00	8 10/23/15						
140 HandFinish Hand Finishing	Wing Walk as per dwg QSI005 4.4 Batch 113462 Memo TOP SURFACE OF POD	0.00 0.00				25	10	07	15
150 QC Quality Control	QC3- Inspect Part Finish Memo	0.00 0.00	8 10/23/15			70			

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Item ID: D130-780-041

Accept



Setup Start

Revision ID: B



Item Name: SPACEPOD LH

Stop



Start Date: 21/10/2009 Start Qty: 1.00



Cust Item ID:

Required Date: 04/11/2009 Req'd Qty: 1.00



Customer:

Reference:

Approvals:

Process Plan:

Date:

Tooling:

Date:

Run Start



QC:

Date:

SPC (Y/N):

Date:

Stop



Sequence ID/
Work Center ID

Operation
Description

Set Up/
Run Hours

Draw
Number

Draw
Rev.

Plan
Code

Accept
Qty

Reject
Qty

Reject
Number

Insp.
Stamp

160

Pick Kit

0.00



Packaging

Memo

0.00

Packaging

10-3-22 SP

PTO

170

QC4- 100% Inspect kits for completeness

0.00



QC

Memo

0.00

Quality Control

1 10-3-22

180

0.00



Packaging

Memo

0.00

Packaging

Identify and pack for shipping as per PPP D130-780-041

Location:

PPP Rev: C

10/10/23 ①

Dart Aerospace Ltd

W/O: 53056

WORK ORDER CHANGES

DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
10/3/22	160	* Parts already added to Bom. / previously - D3815-5 Packer Qty 3 B56523	SL	10-3-22	3	10/3/22	10/3/22
	161	MS24694S54 screw qty 6 M113359	SD	10-3-22			
	162	NAS1149 D0363J washer Qty 6 (To make 14) M113288	SD	10-3-22			
	163	MS21042L3 nut Qty 6 (To make 22) M113537	SD	10-3-22			
	164	MS21059L3 nut Plate Qty 10 M113749	SD	10-3-22		10/3/22	10/3/22
		see note above 10/3/22	OCY All good			10/3/22	10/3/22

Part No: D130-780-041 PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____
 Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

WORK ORDER NON-CONFORMANCE (NCR)

NCR:								
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

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Item ID: D130-780-041

Revision ID: B

Item Name: SPACEPOD LH

Start Date: 21/10/2009 Start Qty: 1.00

Required Date: 04/11/2009 Req'd Qty: 1.00

Reference:

Accept

Setup Start

Stop

Cust Item ID:

Customer:

Approvals:

Process Plan:

Date:

Tooling:

Date:

Run Start

QC:

Date:

SPC (Y/N):

Date:

Stop

Sequence ID/
Work Center IDOperation
DescriptionSet Up/
Run HoursDraw
NumberDraw
Rev.Plan
CodeAccept
QtyReject
QtyReject
NumberInsp.
Stamp

190

QC21 - Final Inspection - Work Order Release

0.00

QC

Memo

0.00

Quality Control

10/03/24 *[Signature]*
MF
10-0325
* See PTO for 160 for
hardware qty's. *[Signature]*
Before closing.

Picklist Print

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Work Order ID: 53056

Parent Item: D130-780-041RevA

Parent Item Name: SPACEPOD LH

Comments:

Start Date: 21/10/2009

Required Date: 04/11/2009

Start Qty: 1.00

Required Qty: 1.00

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Remaining Qty To Pick	Qty Issued	Date Issued	Status
---------------------------------	------------------------	---------------	-------------	---------------------	------------------	-----------------	--------------------	----------------	--------------------------	---------------	----------------	--------

AN526-832R24

Purchased

No

110

Each

201.0000

4.0000

Screw

AN526-832R24

Warehouse

Loc Qty

Loc Code

Location

Main Warehouse

ST

201

16895

201

D3538-1RevA

Manufactured

No

110

Each

24.0000

2.0000

Hinge Bracket

Warehouse

Loc Qty

Loc Code

Location

Main Warehouse

ST

14

48197

14

Main Warehouse

ST111

10

50336

10

MS20426AD4-5

Purchased

No

110

Each

7,910.000

4.0000

Rivet

Warehouse

Loc Qty

Loc Code

Location

Main Warehouse

ST

7910

4067

1097

6733

1831

6874

4982

10-03-03

B110179

PTO

10-03-03

x2

10-03-03

x4

Dart Aerospace Ltd

W/O: 53056		WORK ORDER CHANGES						
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector	
10-03-03		Perm. change AN526-832R24 should be AN526C832R24						
10-03-03		missing D2179 Backing Plate to pick list x2 D2179 B <u>35432</u> Seq 110	RT	10-03-03			S 10/03/03	
			AA	10.03.24				

Part No: D130-780-041 PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____
 Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

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Work Order ID: 53056

Parent Item: D130-780-041RevA

Parent Item Name: SPACEPOD LH

Comments:

Start Date: 21/10/2009

Required Date: 04/11/2009

Start Qty: 1.00

Required Qty: 1.00

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Remaining Qty To Pick	Qty Issued	Date Issued	Status
---------------------------------	------------------------	---------------	-------------	---------------------	------------------	-----------------	--------------------	----------------	--------------------------	---------------	----------------	--------

MS21042L08

Purchased

No

110

Each

407.0000

4.0000



Nut

Warehouse

Loc Qty

Loc Code

Location

Main Warehouse

ST

407

110002

24

111889

51

112243

47

112492

85

112612

100

112794

100

M 113749

RT 10-03-03

NAS1149DN832J

Purchased

No

110

Each

375.0000

4.0000



WASHER

Warehouse

Loc Qty

Loc Code

Location

Main Warehouse

ST

375

111193

3

111359

72

112385

300

x4

RT 10-03-03

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Work Order ID: 53056

Parent Item: D130-780-041RevA

Parent Item Name: SPACEPOD LH

Comments:

Start Date: 21/10/2009

Required Date: 04/11/2009

Start Qty: 1.00

Required Qty: 1.00

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Remaining Qty To Pick	Qty Issued	Date Issued	Status
---------------------------------	------------------------	---------------	-------------	---------------------	------------------	-----------------	--------------------	----------------	--------------------------	---------------	----------------	--------

AN526C832R14

Purchased

No

150

Each

937.0000

8.0000

Screw

Warehouse

Loc Qty

Loc Code

Location

Main Warehouse

ST

937

104916

937

Purchased

No

160

Each

73.0000

2.0000

Bolt

Warehouse

Loc Qty

Loc Code

Location

Main Warehouse

ST

73

111119

73

Purchased

No

160

Each

161.0000

4.0000

Bolt

Warehouse

Loc Qty

Loc Code

Location

Main Warehouse

ST

161

111925

11

112314

50

112720

100

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Work Order ID: 53056

Parent Item: D130-780-041RevA

Parent Item Name: SPACEPOD LH

Comments:

Start Date: 21/10/2009

Required Date: 04/11/2009

Start Qty: 1.00

Required Qty: 1.00

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Remaining Qty To Pick	Qty Issued	Date Issued	Status
---------------------------------	------------------------	---------------	-------------	---------------------	------------------	-----------------	--------------------	----------------	--------------------------	---------------	----------------	--------

AN3-6A



Bolt

Purchased

No

160

Each

135.0000

4.0000



M113288 10-3-22sf

Warehouse

Loc Qty

Loc Code

Location

Main Warehouse

ST

135

112082

7

112513

28

112720

100

AN525-10R7



Screw

Purchased

No

160

Each

131.0000

38.0000



29
M113288 10-3-22sf

Warehouse

Loc Qty

Loc Code

Location

Main Warehouse

ST

131

106166

30

110844

15

112314

10

112411

76

359

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Work Order ID: 53056

Parent Item: D130-780-041RevA

Parent Item Name: SPACEPOD LH

Comments:



Start Date: 21/10/2009

Required Date: 04/11/2009

Start Qty: 1.00

Required Qty: 1.00

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Remaining Qty To Pick	Qty Issued	Date Issued	Status
---------------------------------	------------------------	---------------	-------------	---------------------	------------------	-----------------	--------------------	----------------	--------------------------	---------------	----------------	--------

ANS-5A  Bolt		Purchased	No			160	Each	107.0000	1.0000 		10-3-22 SP	
---	--	-----------	----	--	--	-----	------	----------	---	--	------------	--

Warehouse	Location	Loc Qty	Loc Code
Main Warehouse	ST	107	
	103585	3	
	110363	4	
	110865	100	

D3015-3RevB  Locknut		Manufactured	No			160	Each	328.0000	1.0000 		10-3-22 SP	
---	--	--------------	----	--	--	-----	------	----------	---	--	------------	--

Warehouse	Location	Loc Qty	Loc Code
Main Warehouse	ST	128	
	43758	26	
	44446	49	
	48238	53	
Main Warehouse	ST59	200	
	51711	200	

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Work Order ID: 53056

Parent Item: D130-780-041RevA

Parent Item Name: SPACEPOD LH

Comments:

Start Date: 21/10/2009

Required Date: 04/11/2009

Start Qty: 1.00

Required Qty: 1.00

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Remaining Qty To Pick	Qty Issued	Date Issued	Status
---------------------------------	------------------------	---------------	-------------	---------------------	------------------	-----------------	--------------------	----------------	--------------------------	---------------	----------------	--------

D3550-1RevB

Manufactured

No

160

Each

17.0000

1.0000



Strut

Warehouse

Loc Qty

Loc Code

Location

Main Warehouse

ST

17

48367

17

160

Each

60.0000

1.0000

D3554-7RevA

Manufactured

No



Ball Stud

Warehouse

Loc Qty

Loc Code

Location

Main Warehouse

ST

60

37674

60

160

Each

1.0000

1.0000

D3798-041RevA

Manufactured

No



Spacepod Floor

* From on correct side

Warehouse

Loc Qty

Loc Code

Location

Main Warehouse

ST

1

45578

1

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Work Order ID: 53056

Parent Item: D130-780-041RevA

Parent Item Name: SPACEPOD LH

Comments:

Start Date: 21/10/2009

Required Date: 04/11/2009

Start Qty: 1.00

Required Qty: 1.00

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin. Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Remaining Qty To Pick	Qty Issued	Date Issued	Status
---------------------------------	------------------------	---------------	--------------	---------------------	------------------	-----------------	--------------------	----------------	--------------------------	---------------	----------------	--------

D3815-041RevA

Manufactured

No

160

Each

7.0000

2.0000



Web Assembly

10-3-02

Warehouse

Loc Qty

Loc Code

Location

Main Warehouse

ST

45729

46356

Reste 3
Plus soude

7

1

6

D3837-1RevB

Manufactured

No

160

Each

7.0000

1.0000



Decal

10-3-22

Warehouse

Loc Qty

Loc Code

Location

Main Warehouse

ST

46231

7

7

D3837-3RevB

(be installed on door)

Manufactured

No

160

Each

8.0000

1.0000



Decal

110

10-3-22

Warehouse

Loc Qty

Loc Code

Location

Main Warehouse

ST

46232

8

8

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Shop Packet Print

Page 7

Picklist Print

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Page 8

Work Order ID: 53056

Parent Item: D130-780-041RevA

Parent Item Name: SPACEPOD LH

Comments:

Start Date: 21/10/2009

Required Date: 04/11/2009

Start Qty: 1.00

Required Qty: 1.00

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Remaining Qty To Pick	Qty Issued	Date Issued	Status
---------------------------------	------------------------	---------------	-------------	---------------------	------------------	-----------------	--------------------	----------------	--------------------------	---------------	----------------	--------

MS21042L3 (22)



Nut

(sa pro) 2

Purchased

No

160

Each

3,430.000

16.0000

22



10-3-22 SP
M113537 94

Warehouse

Loc Qty

Loc Code

Location

Main Warehouse

ST

3430

110844

32

111274

35

111668

863

112314

2000

112385

500

7

MS24694-S67



Screw

Purchased

No

160

Each

103.0000

7.0000

7



10-3-22 SP

Warehouse

Loc Qty

Loc Code

Location

Main Warehouse

ST

103

101662

13

106166

1

111965

89

7

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Work Order ID: 53056

Parent Item: D130-780-041RevA

Parent Item Name: SPACEPOD LH

Comments:

Start Date: 21/10/2009

Required Date: 04/11/2009

Start Qty: 1.00

Required Qty: 1.00

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Remaining Qty To Pick	Qty Issued	Date Issued	Status
---------------------------------	------------------------	---------------	-------------	---------------------	------------------	-----------------	--------------------	----------------	--------------------------	---------------	----------------	--------

MS24694-S69

Purchased

No

160

Each

118.0000

1.0000



Screw

10-3-22 SP

Warehouse

Loc Qty

Loc Code

Location

Main Warehouse

ST

118

103574

5

110153

13

112492

100

NAS1149D0332J

Purchased

No

160

Each

342.0000

16.0000



Washer

10-3-22 SP

Warehouse

Loc Qty

Loc Code

Location

Main Warehouse

ST

342

110625

16

110844

126

112794

200

NAS1149D0363J

x14

Purchased

No

160

Each

2.0000

8.0000



Washer

14

1113288 10-3-22 SP

Warehouse

Loc Qty

Loc Code

Location

Main Warehouse

ST

2

112314

2

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Work Order ID: 53056

Parent Item: D130-780-041RevA

Parent Item Name: SPACEPOD LH

Comments:

Start Date: 21/10/2009

Required Date: 04/11/2009

Start Qty: 1.00

Required Qty: 1.00

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Remaining Qty To Pick	Qty Issued	Date Issued	Status
---------------------------------	------------------------	---------------	-------------	---------------------	------------------	-----------------	--------------------	----------------	--------------------------	---------------	----------------	--------

NAS1149D0563J

Purchased

No

160

Each

100.0000

3.0000



Washer

M113524 10-3-22

Warehouse

Loc Qty

Loc Code

Location

Main Warehouse

ST

112794

100

100

D130-780-043RevA

Manufactured

No

110

Each

0.0000

1.0000



Spacepod Door Assembly, LH

D3188-1MRevE

Manufactured

No

110

Each

0.0000

1.0000



SPACEPOD BODY LH

D3547-1RevA

Manufactured

No

110

Each

22.0000

1.0000



Bracket

85 10-03-10

85 10-03-03

10-3-22

Warehouse

Loc Qty

Loc Code

Location

Main Warehouse

ST

35455

50260

22

8

14

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Work Order ID: 53056

Parent Item: D130-780-041RevA

Parent Item Name: SPACEPOD LH

Comments:

Start Date: 21/10/2009

Required Date: 04/11/2009

Start Qty: 1.00

Required Qty: 1.00

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Remaining Qty To Pick	Qty Issued	Date Issued	Status
---------------------------------	------------------------	---------------	-------------	---------------------	------------------	-----------------	--------------------	----------------	--------------------------	---------------	----------------	--------

AKS4-1032-130

Purchased

No

110

Each

1.0000

28.0000



Inserts

ALS4-1032-130 w/PS
Q58-17
X

Warehouse

Loc Qty

Loc Code

Location

Main Warehouse

ST

6087

1

1

110

Each

81.0000

2.0000

D2237RevD1

Manufactured

No



Striker Plate

Warehouse

Loc Qty

Loc Code

Location

Main Warehouse

ST

46162

5

5

Main Warehouse

ST022

76

50348

21

52327

55

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Work Order ID: 53056

Parent Item: D130-780-041RevA

Parent Item Name: SPACEPOD LH

Comments:



Start Date: 21/10/2009

Required Date: 04/11/2009

Start Qty: 1.00

Required Qty: 1.00

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Remaining Qty To Pick	Qty Issued	Date Issued	Status
A3235-020-935 Washer - Countersunk		Purchased	No			160 <u>110</u>	Each	694.0000	8.0000 		8T 10-03-03	

Warehouse	Loc Qty	Loc Code
Location		
Main Warehouse		
ST	694	
104156	3	
106150	691	

MS2104215

Purchased

No



Nut

Warehouse	Loc Qty	Loc Code
Location		
Main Warehouse		
ST	1077	
110382	10	
111127	4	
111636	63	
112314	1000	

AKS4-1032-130

Purchased

No



Inserts

ALS4-1032-130

Warehouse	Loc Qty	Loc Code
Location		
Main Warehouse		
ST	1	
6087	1	

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Picklist Print

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Work Order ID: 53056

Parent Item: D130-780-041RevA

Parent Item Name: SPACEPOD LH

Comments:



Start Date: 21/10/2009

Required Date: 04/11/2009

Start Qty: 1.00

Required Qty: 1.00

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Remaining Qty To Pick	Qty Issued	Date Issued	Status
D130-780-013RevA		Manufactured	No			160	Each	2.0000	1.0000			
Switch Relocation												

10-3-28 SL

Warehouse	Loc Qty	Loc Code
Location		
Main Warehouse		
FG	2	
50272	2	

D130-780-011		Manufactured	No			160	Each	1.0000	1.0000			
Aft LH Door Hinge Kit												

BS6302 10-3-22 SL

Warehouse	Loc Qty	Loc Code
Location		
Main Warehouse		
FG010	1	
45530	1	

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GENERAL NOTES:

1) MATERIALS:

RESIN: EPOCAST 50-A/9816 OR DERAKANE 470-36/411/510A40

FIBER: 9.7 oz 7781 WEAVE "S" GLASS (9 oz SATIN)
12 oz UNIDIRECTIONAL FIBERGLASS ("12 oz UNIDIRECTIONAL")
18 oz ROVING "E" GLASS (18 oz CLOTH)
OWENS CORNING MILLED FIBERS, "E" GLASS
3M K20 GLASS BUBBLES

FOAM: A500 CORE CELL
OR DIVINCELL
OR AIREX
OR KLEGECELL

FILL VOIDS IN FOAM WITH PASTE MADE FROM MILLED FIBERS & RESIN

1. MOLD SCHEDULE:

PART	LAYUP	TRIM AND DRILL
D3188-1M/-1/-5	DT8003	DT8501
D3188-2M/-2/-6	DT8004	DT8502
D3188-3M/-3/-7	DT8500	DT8501

2) FINISH: INSIDE/OUTSIDE WITH GREY DUPONT HIGHBUILD PRIMER 1144-S.
APPLY ANTI-SKID PAINT TO TOP SURFACE OF PODS PER QSI 005 4.4

3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED

4) UNITS: INCHES UNLESS OTHERWISE NOTED

5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX

6) IDENTIFICATION: NONE

7) WEIGHT: D3188-1 = N/A
D3188-2 = N/A
D3188-3 = N/A
D3188-5 = N/A
D3188-6 = N/A
D3188-7 = N/A

8) REFERENCE DIMENSIONS MATCH AIRCRAFT CONTOUR AND DOOR OPENING

9) LAMINATE PER DART QSI 006. LAMINATION SCHEDULE PER THIS DRAWING

SHOP COPY

RETURN TO:

ENGINEERING

UNCONTROLLED COPY

SUBJECT TO AMENDMENT

WITHOUT NOTICE

WORK ORDER

NO. 53054

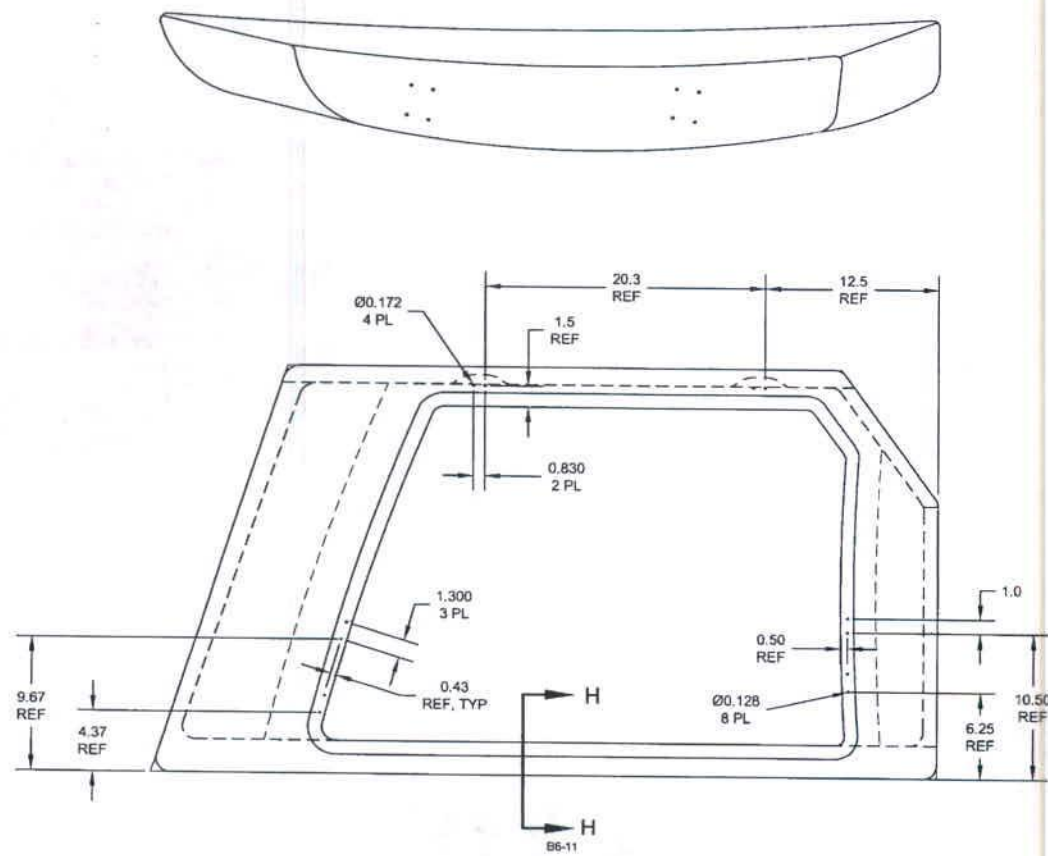
PL 09-10-22

RELEASED
2009-10-20
MD

F	REORGANIZED VIEWS AND REFORMATTED DRAWING TO CURRENTS STANDARDS; ADD CHAMFER IN SECTIONS A-A (ZN C7-10) & H-H (ZN B7-11)	RF	09.07.13
E	ADD HYSOL FIBER OPTION ON SHEET 11	CB	07.04.02
D	UPDATE DIMENSIONS	LE	07.02.22
C	REMOVED D0800-XXX LABELS	LE	06.12.13
B	UPDATED DWG TO MATCH PRODUCT ADDED D3188-1M/-2M/-3M/-5/-6/-7	CB	06.10.06
A	NEW ISSUE	CP	03.04.03
REV.	DESCRIPTION	BY	DATE
DESIGN	JB	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	RF		
CHECKED	RF	DRAWING NO.	REV. F
MFG. APPR.	RF	D3188	SHEET 1 OF 11
APPROVED	RF	TITLE	SCALE
DE APPR.	RF	SPACEPOD BODY	NTS
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53054



D3188-1 SPACEPOD BODY
MAKE FROM D3188-1M

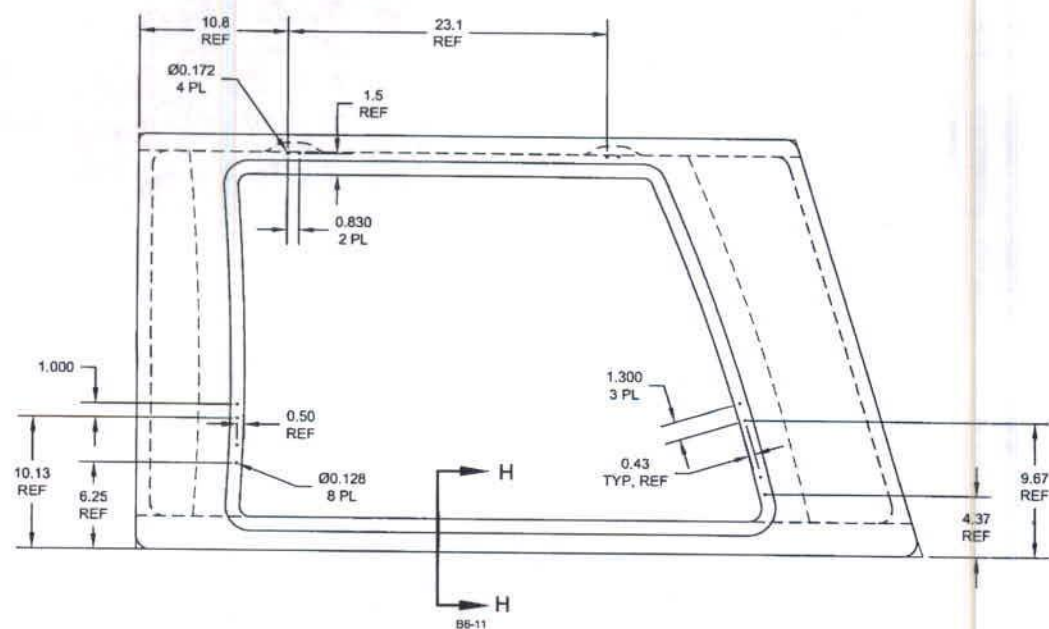
NOTES:

- 1) REFERENCE DIMENSIONS REPRESENT HOLES WHICH ARE TRANSFER DRILLED FROM D3186-1 DOOR DURING ASSEMBLY
- 2) SEE SHEET #11 FOR SECTION VIEW

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DESIGN	JB	DART AEROSPACE LTD	
DRAWN	RF	HAWKESBURY, ONTARIO, CANADA	
CHECKED	<i>[Signature]</i>	DRAWING NO.	REV. F
MFG. APPR.	<i>[Signature]</i>	D3188	SHEET 2 OF 11
APPROVED	<i>[Signature]</i>	TITLE	SCALE
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D3188-2 SPACEPOD BODY
MAKE FROM D3188-2M

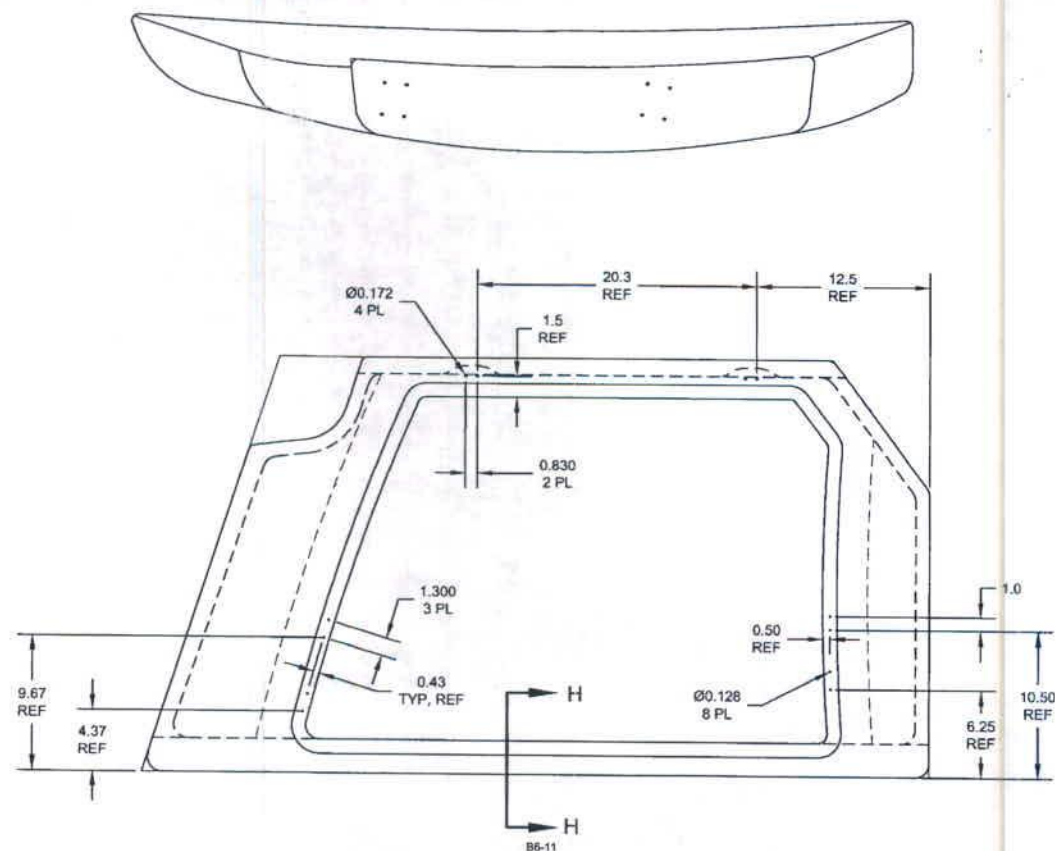
NOTES:

- 1) REFERENCE DIMENSIONS REPRESENT HOLES WHICH ARE
TRANSFER DRILLED FROM D3186-2 DOOR DURING ASSEMBLY
2) SEE SHEET #11 FOR SECTION VIEW

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MP

DESIGN	JB	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	RF		
CHECKED	<i>[Signature]</i>	DRAWING NO.	REV. F
MFG. APPR.	<i>[Signature]</i>	D3188	SHEET 3 OF 11
APPROVED	<i>[Signature]</i>	TITLE	SCALE
DE APPR.	<i>[Signature]</i>	SPACEPOD BODY	NTS
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D3188-3 SPACEPOD BODY
MAKE FROM D3188-3M

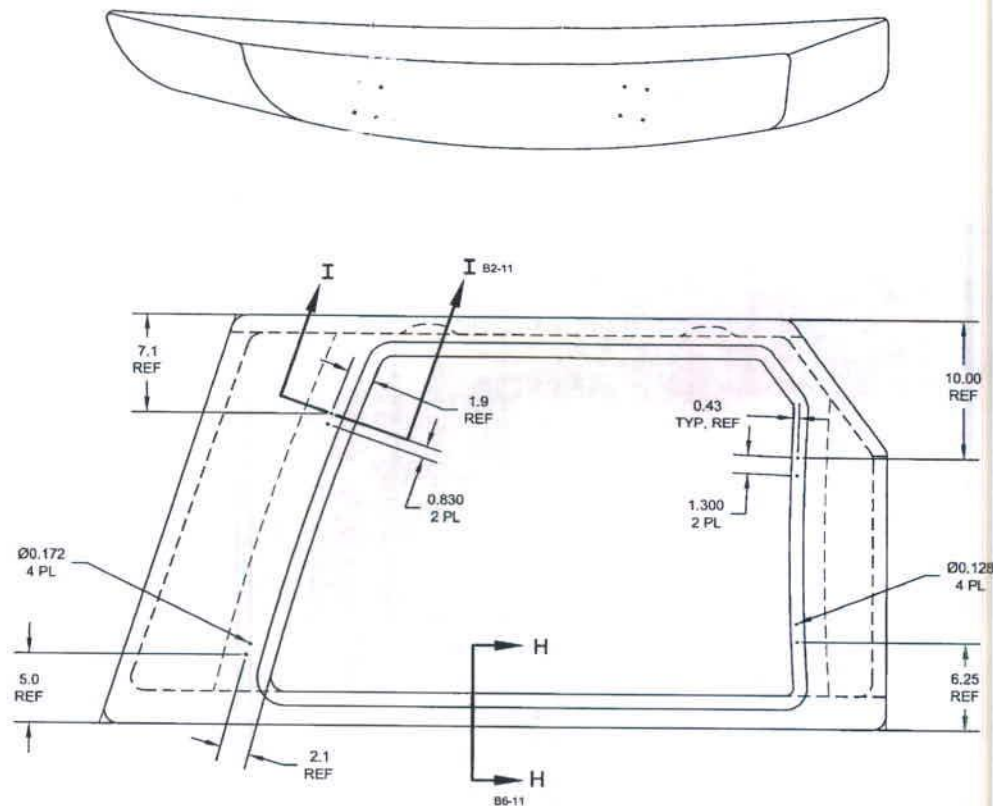
NOTES:

- 1) REFERENCE DIMENSIONS REPRESENT HOLES WHICH ARE TRANSFER DRILLED FROM D3186-1 DOOR DURING ASSEMBLY
- 2) SEE SHEET #11 FOR SECTION VIEW

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2009-10-20
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CHECKED	<i>[Signature]</i>	DRAWING NO.	REV. F
MFG. APPR.	<i>[Signature]</i>	D3188	SHEET 4 OF 11
APPROVED	<i>[Signature]</i>	TITLE	SCALE
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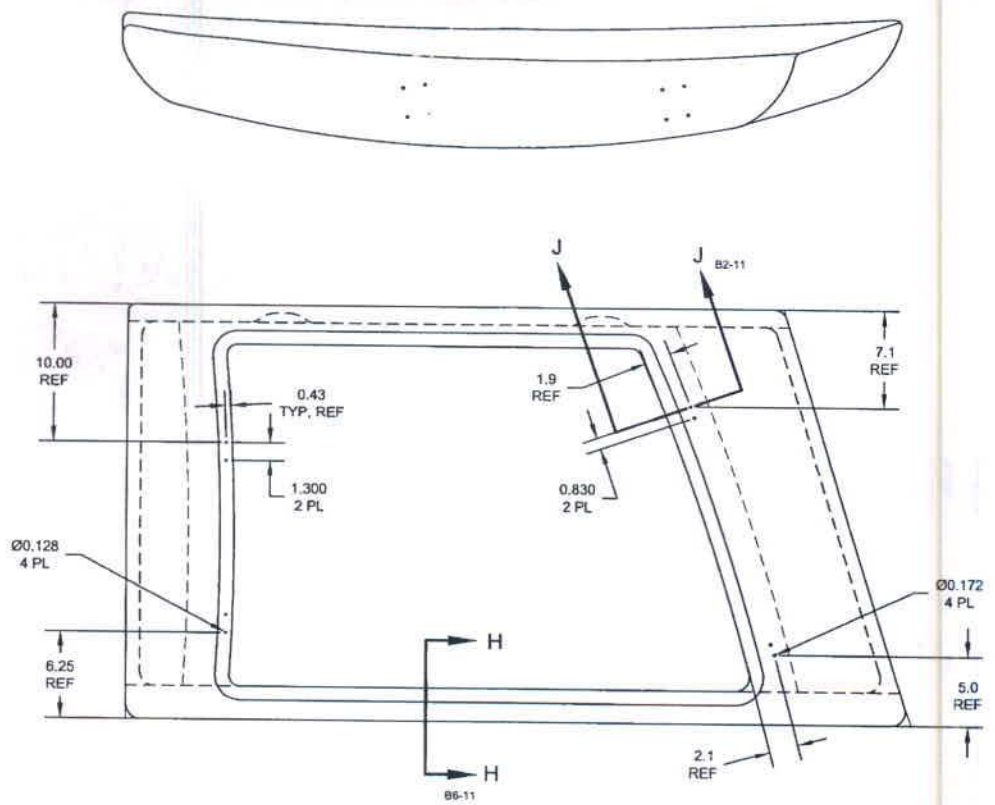
D3188-5 SPACEPOD BODY
MAKE FROM D3188-1M

- NOTES:
- 1) REFERENCE DIMENSIONS REPRESENT HOLES WHICH ARE TRANSFER DRILLED FROM D3188-3 DOOR DURING ASSEMBLY
 - 2) SEE SHEET #11 FOR SECTION VIEWS

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CHECKED	RF	DRAWING NO.	REV. F
MFG. APPR.	U	D3188	SHEET 5 OF 11
APPROVED	U	TITLE	SCALE
DE APPR.	U	SPACEPOD BODY	NTS
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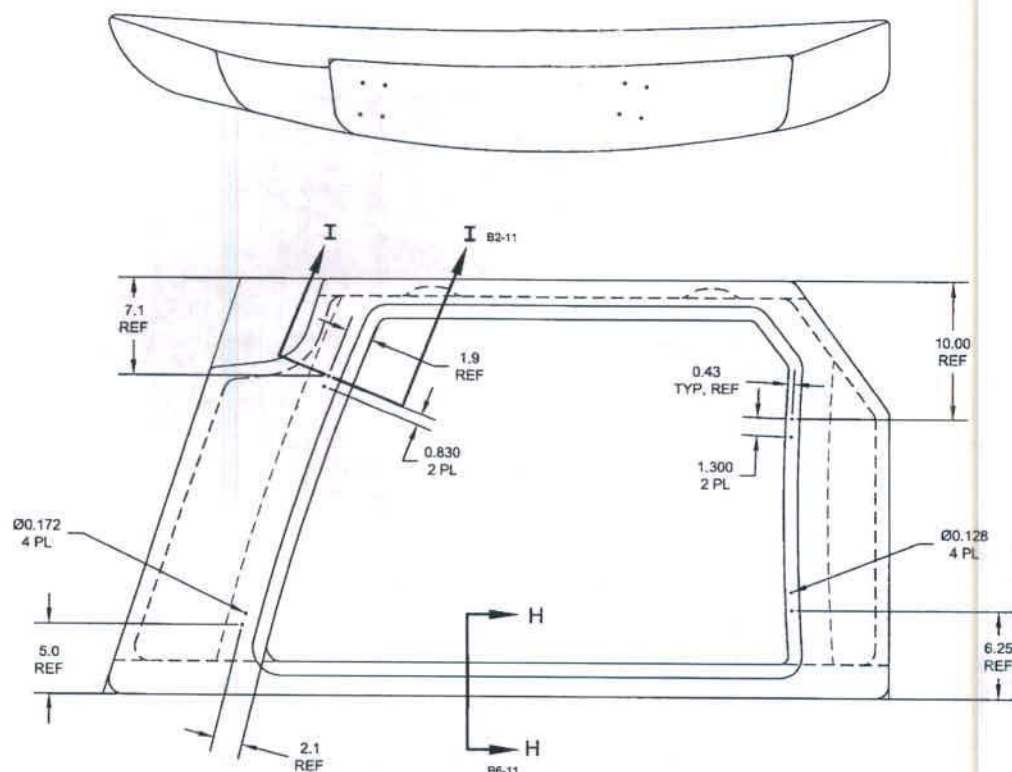
D3188-6 SPACEPOD BODY
MAKE FROM D3188-2M

RELEASED
2009-10-20
NH

NOTES:
1) REFERENCE DIMENSIONS REPRESENT HOLES WHICH ARE
TRANSFER DRILLED FROM D3186-4 DOOR DURING ASSEMBLY
2) SEE SHEET #11 FOR SECTION VIEWS

DESIGN	JB	DART AEROSPACE LTD	
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CHECKED	<i>[Signature]</i>	DRAWING NO.	REV. F
MFG. APPR.	<i>[Signature]</i>	D3188	SHEET 6 OF 11
APPROVED	<i>[Signature]</i>	TITLE	SCALE
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D3188-7 SPACEPOD BODY
MAKE FROM D3188-3M

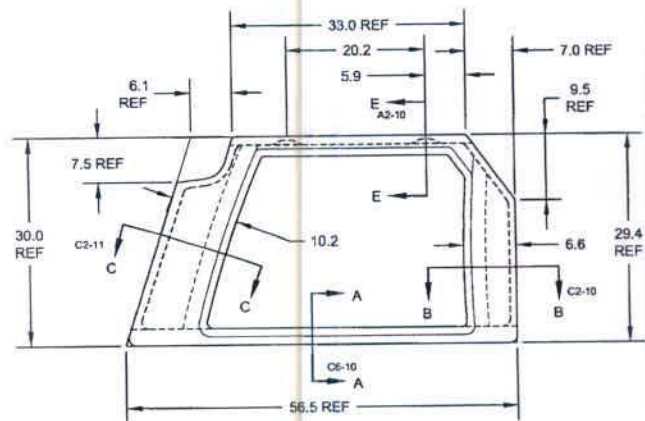
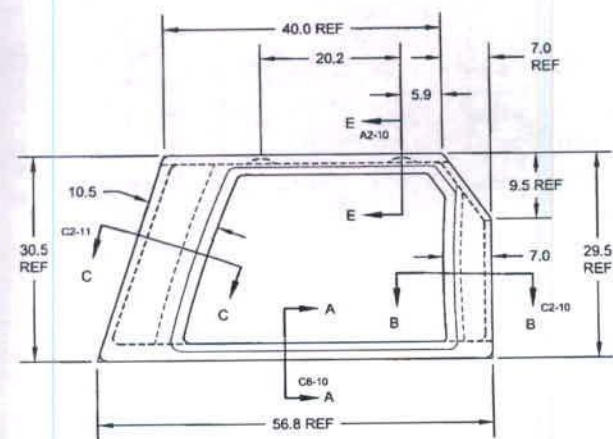
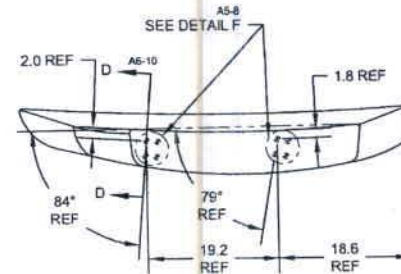
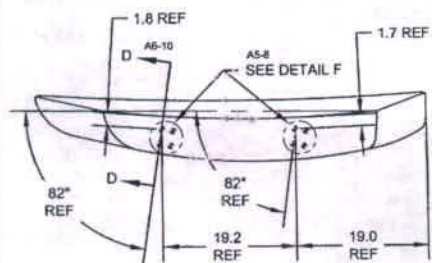
NOTE:

- 1) REFERENCE DIMENSIONS REPRESENT HOLES WHICH ARE TRANSFER DRILLED FROM D3186-3 DOOR DURING ASSEMBLY
- 2) SEE SHEET #11 FOR SECTION VIEWS

RELEASED
2009-10-20
NT

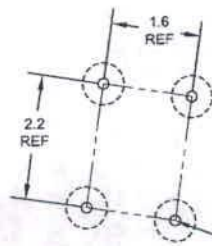
DESIGN	JB	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	RF		
CHECKED	<i>[Signature]</i>	DRAWING NO.	REV. F
MFG. APPR.	<i>[Signature]</i>	D3188	SHEET 7 OF 11
APPROVED	<i>[Signature]</i>	TITLE	SCALE
DE APPR.	<i>[Signature]</i>	SPACEPOD BODY	NTS
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53056



D3188-1M SPACEPOD BODY

D3188-3M SPACEPOD BODY



DETAIL F

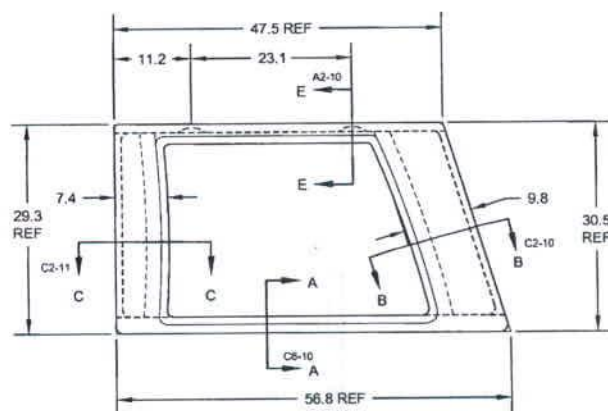
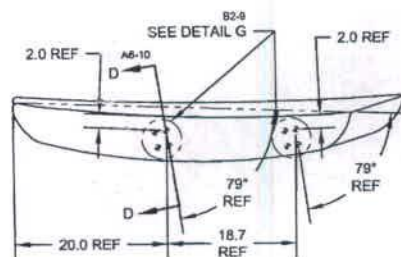
INSTALL
D2213 SPACER
8 PL
SEE SECTION D-D
A6-10

D3188-1M/-3M NOTES:
1) REFERENCE DIMENSIONS ARE FROM DT8003/DT8500 AND DT8501.
2) SEE SHEET #10 FOR SECTION VIEWS.

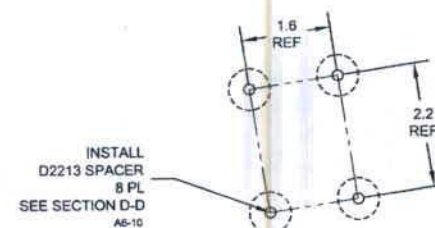
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2009-10-29

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CHECKED		DRAWING NO.	REV. F
MFG. APPR.		D3188	SHEET 8 OF 11
APPROVED		TITLE	SCALE
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D3188-2M SPACEPOD BODY



DETAIL G D6-8

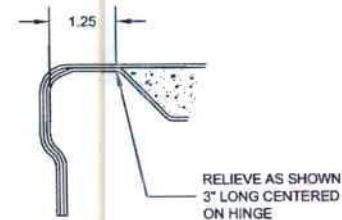
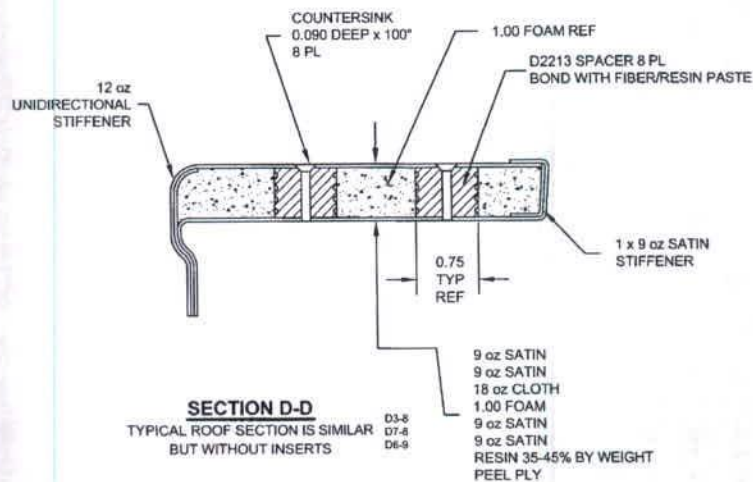
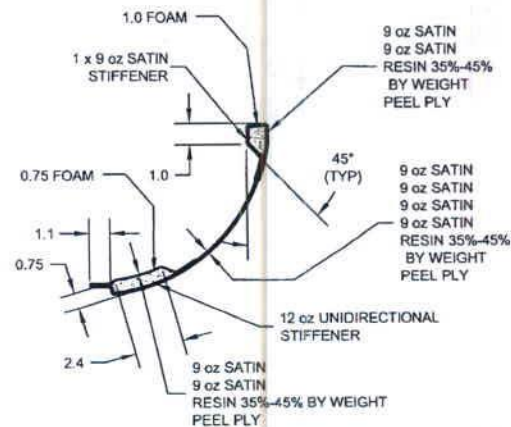
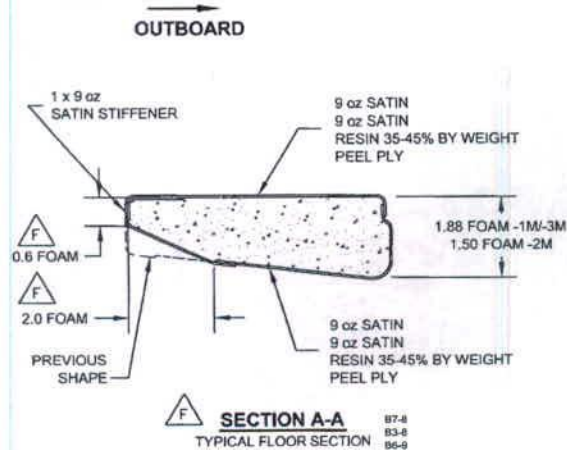
RELEASED
2009-10-20

D3188-2M NOTES:



- 1) REFERENCE DIMENSIONS ARE FROM DT8004 AND DT8502.
- 2) SEE SHEET #10 FOR SECTION VIEWS.

DESIGN	JB	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	RF		
CHECKED	<i>[Signature]</i>	DRAWING NO.	REV. F
MFG. APPR.	<i>[Signature]</i>	D3188	SHEET 9 OF 11
APPROVED	<i>[Signature]</i>	TITLE	SCALE
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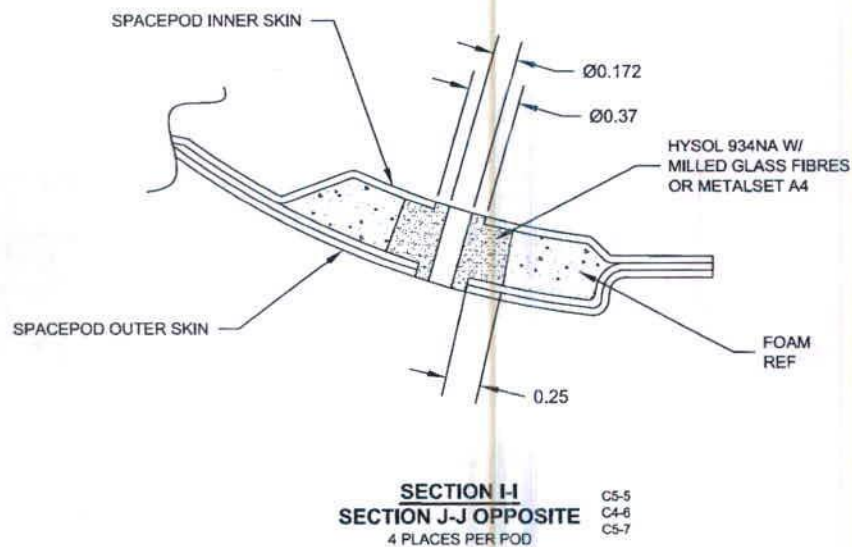
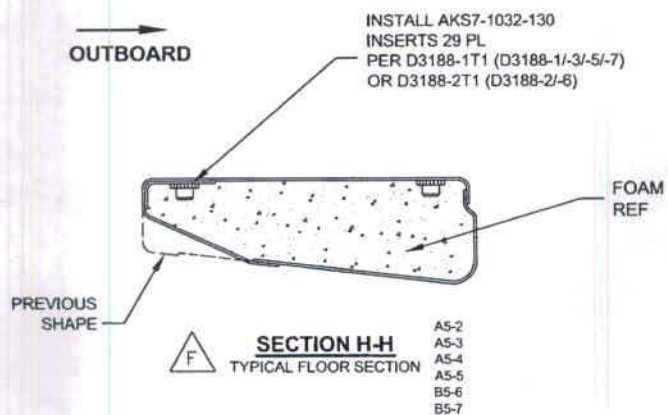
53054



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2009-10-27

DESIGN	JB	DART AEROSPACE LTD	
DRAWN	RF	HAWKESBURY, ONTARIO, CANADA	
CHECKED		DRAWING NO.	REV. F
MFG. APPR.		D3188	SHEET 10 OF 11
APPROVED		TITLE	SCALE
DE APPR.		SPACEPOD BODY	NTS
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RELEASED
2009-10-20
MHP

DESIGN	JB	DART AEROSPACE LTD	
DRAWN	RF	HAWKESBURY, ONTARIO, CANADA	
CHECKED	RF	DRAWING NO.	REV. F
MFG. APPR.	W	D3188	SHEET 11 OF 11
APPROVED	RF	TITLE	SCALE
DE APPR.	RF	SPACEPOD BODY	NTS
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5.0 PARTS LIST

REFERENCE ONLY

-041	-042	-043	-044	-011	-013	-015	Part Number	Description
X							D130-780-041	SPACEPOD™ LH, EC 130 B4
	X						D130-780-042	SPACEPOD™ RH, EC 130 B4
1		X					D130-780-043	DOOR ASSEMBLY, LH
	1		X				D130-780-044	DOOR ASSEMBLY, RH
1				X			D130-780-011	LH SLIDING DOOR HINGE KIT
1	1				X		D130-780-013	SWITCH RELOCATION KIT
				1		X	D130-780-015	CLOSEOUT KIT
2	2						D3815-041	WEB ASSEMBLY
3	3						D3815-5	PACKER
		1	1				D2589	KEYS, KEY CHAIN
1	1						D3837-1	DECAL
1	1						D3015-3	LOCK NUT
		1					D3186-3	SPACEPOD™ DOOR, LH
			1				D3186-4	SPACEPOD™ DOOR, RH
1							D3798-041	FLOOR
	1						D3798-042	FLOOR
1	1						D3188-5	SPACEPOD™ BODY
	1						D3188-6	SPACEPOD™ BODY
1	1						D3547-1	BRACKET
1	1						D3550-1	STRUT
		1	1				D3552-7	GAS SPRING
1	1						D3554-7	BALL STUD
4	4						AN3-3A	BOLT
4	4						AN3-6A	BOLT
2	2						AN3-10A	BOLT
1	1						AN5-5A	BOLT
38	38						AN525-10R7	SCREW
8	8						AN526C832R14	SCREW
6	6						MS24694S54	SCREW
7	7						MS24694S67	SCREW
1	1						MS24694S69	SCREW
		2	2				MS27039-0811	SCREW
8	8						A3235-020-935	WASHER
14	14						NAS1149D0363J	WASHER
16	16						NAS1149D0332J	WASHER
		4	4				NAS1149DN832J	WASHER
3	3						NAS1149D0563J	WASHER
		2	2				NAS1515H3	NYLON WASHER
		2	2				MS21042L08	NUT
22	22						MS21042L3	NUT (or MS21042-3)
1	1						MS21042L5	NUT
10	10						AKS7-1032-130	INSERT
28**	28**						AKS7-1032-130	INSERT
10	10						MS21059L3	NUTPLATE

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Revision: B

Date: 09.06.11

THE UNIVERSITY OF CHICAGO

TO THE PRESIDENT OF THE UNIVERSITY OF CHICAGO
FROM THE DEAN OF THE FACULTY
SUBJECT: [Illegible]

THE UNIVERSITY OF CHICAGO

REFERENCE ONLY

-041	-042	-043	-044	-011	-013	-015	Part Number	Description
					2		D3819-1	MALE SPADE CONNECTOR
					2		D3597-1	FEMALE SPADE CONNECTOR
					1		D3598-2-096	EXPANDABLE SLEEVE
					24		D3599-1	TIE-WRAP
					24		D3600-1	TIE-WRAP MOUNT
					24 FT		M22759/41-22-9	WIRE
		1*	1*				D2464-1250	NEOPRENE SEAL
1**		1*					D3837-3	DECAL
	1**		1*				D3837-4	DECAL
		2*	2*				D2586	LATCH
		2*	2*				D2585	MOUNTING CHANNEL
		2*	2*				D2621	LATCH PLATE
		2*	2*				MS27039-1-15	SCREW
		2*	2*				NAS1149D0363J	WASHER
		2*	2*				MS21042L3	NUT (or MS21042-3)
		1*	1*				D2857-1	HINGE BRACKET
		1*	1*				D2857-2	HINGE BRACKET
		2*	2*				D2228	BACKING PLATE
		8*	8*				AN526C832R10	SCREW
		8*	8*				NAS1149DN832J	WASHER
		8*	8*				MS21042L08	NUT
		1*	1*				D3557-1	BRACKET
		2*	2*				D2228	BACKING PLATE
		1*	1*				D3554-7	BALL STUD
		1*	1*				NAS1149D0563J	WASHER
		1*	1*				D3015-3	LOCK NUT
		2*	2*				AN526C832R14	SCREW
		2*	2*				AN526C832R10	SCREW
		4*	4*				NAS1149DN832J	WASHER
		4*	4*				MS21042L08	NUT
2**	2**						D2237	STRIKER PLATE
4**	4**						MS20426AD4-5	RIVET
2**	2**						D3538-1	HINGE BRACKET
2**	2**						D2179	HINGE BRACKET PLATE
4**	4**						AN526C832R24	SCREW
4**	4**						NAS1149DN832J	WASHER
4**	4**						MS21042L08	NUT
				1			D3813-041	HINGE ASSEMBLY, UPPER DOOR
				1			D3813-043	HINGE ASSEMBLY, LOWER DOOR
				2***			D3518-3	ROD END

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Revision: B
Date: 09.06.11

THE UNIVERSITY OF CHICAGO

LIBRARY

PHYSICS DEPARTMENT

CHICAGO, ILL.

1954

-041	-042	-043	-044	-011	-013	-015	Part Number	Description
				2***			NAS509-6	NUT
				1			D3814-1	HINGE, UPPER AIRFRAME
				1			D3814-3	HINGE, LOWER AIRFRAME
				2			D3816-1	SPACER
				4			D3816-3	SPACER
				1			D3817-041	ANCHOR PLATE
				2			AN3-5A	BOLT
				3			AN3-7A	BOLT
				2			AN310-4	CASTLE NUT
				2			AN4-17	BOLT
				2			AN970-4	WASHER
				5			MS21042L3	NUT
				2			MS24665-212	COTTER PIN
				3			MS24694S46	SCREW
				8			NAS1149D0363J	WASHER
				2			NAS1149D0463J	WASHER
				1			D3552-7	GAS SPRING
				2			D3622-1	BALL STUD
				1			D3820-1	DOOR SUPPORT
				2			MS21042L5	NUT
				2			NAS1149D0563J	WASHER
				1			D3892-1	SEAL
						1	D3983-1	OUTER CLOSEOUT
						1	D3983-3	INNER CLOSEOUT
						1	D3983-5	HINGE CLOSEOUT
						1	D3983-047	CLOSEOUT ATTACHMENT
						1	D3983-9	SPACER
						2	AN525-10R6	SCREW
						1	AN525-10R24	SCREW
						1	NAS1149D0363J	WASHER
						1	MS21042L3	NUT

* Pre-installed on D3186-3/-4 Spacepod™ Door

** Pre-installed on D3188-5/-6 Spacepod™

*** Pre-installed on D3813-041/-043 Hinge Assemblies

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